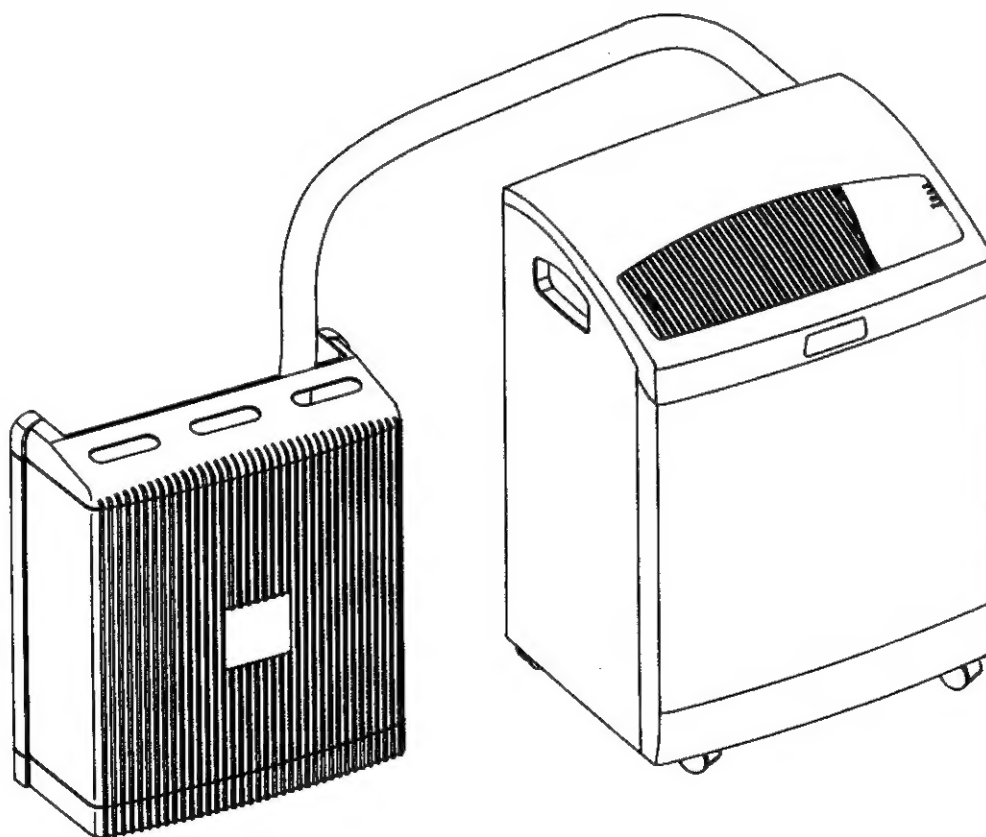


English

MOBILE SPLIT AIR CONDITIONER

EBM 1200



INSTALLATION AND OPERATING INSTRUCTIONS

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☐ INTRODUCTION

This new split mobile air conditioner consists of an indoor and outdoor unit, interconnected by a flexible hose. The indoor unit is equipped with four castors for easy mobility.

The air conditioner you have purchased is factory charged and ready for use. No special installation is required; just follow the simple instructions and enjoy this fully featured, versatile air conditioner.

**PLEASE READ THESE INSTRUCTIONS
BEFORE OPERATING THE AIR CONDITIONER**

WARNING:

- This air conditioner must be grounded to protect against electrical shock.
- Do not expose the indoor unit to rain.
- Electrical connections and power cord replacement should be done only by an authorized electrician and in accordance with electrical regulations and local codes.

IMPORTANT NOTICE:

When using this air conditioner for the first time, please make sure of the following:

1. Read the instruction manual and familiarize yourself with the controls.
2. Plug the electric cord into the power socket.
3. Check that all control functions operate properly.
4. Disconnect the electrical cord from the power socket, wait 3 minutes and reconnect the unit.

□ DESCRIPTION

1. Interconnecting hose
2. Indicators and controls
3. Adjustable supply air grille
4. Castors
5. Service cover
6. Carrying handle - indoor unit
7. Carrying handle - outdoor unit
8. Attaching pins
9. Condenser fan grille
10. Condensate overflow outlet
11. Water basin

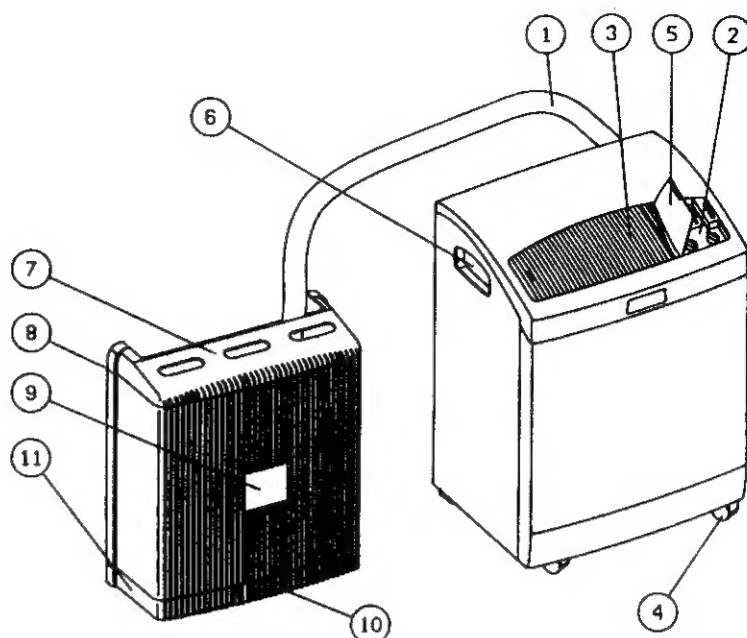


Figure 1. Indoor & Outdoor Unit Component Description

12. Air filter handle
13. Return air intake
14. Interconnecting hose Connection
15. Power cord
16. Keyholes
17. Drain tube with plug

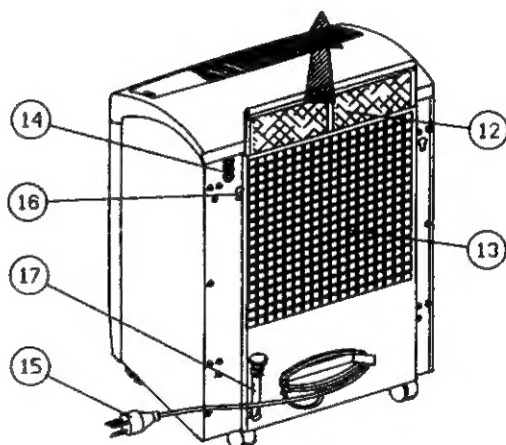


Figure 2. Indoor Unit Component Description

18. Suction pad



Figure 3. Accessories

□ INSTALLATION

This mobile split air conditioner can be installed by the customer, as follows:

Choose an appropriate place for the air conditioner indoor unit near an exterior opening (window or door). A grounded 15 amps / 220 V electrical outlet should be within 2.5 meters of the indoor unit.

Determine whether the outdoor unit is to be suspended from the window or the wall, or placed on the floor near a doorway. Be sure the outdoor unit is stable and well supported at its place of installation (see Figure 4).

The outdoor unit must be installed with the rear grille facing the wall at a minimum distance of 100 mm.

Be sure the outdoor unit is set so that its handle and hose are on top. To assure proper condensate drainage, make sure the unit is installed in a leveled position.

In high humidity conditions, the outdoor unit condensate basin (6) may overflow. If condensate leak occurs, it is recommended to use a permanent drain tube. Remove plug (7) (see Figure 4), located under the unit, and fit instead a 13-mm OD hose (8), routed to a drainage point.

1. Indoor unit
2. Window
3. Outdoor unit, wall mounted
4. Outdoor unit, floor mounted
5. Interconnecting hose
6. Condensate basin
7. Plug
8. Drain tube

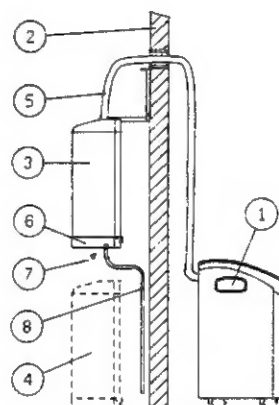


Figure 4. Installation

INSTALLATION OF OUTDOOR UNIT

A standard kit (Figure 7), supplied with the air conditioner for supporting the outdoor unit, makes it possible to mount it either from a window sill (Figure 5) or on the wall (Figure 6).

1. Slip the unit handle over the sliding bracket (2) (Figure 7) of the unit support (see Figures 5 and 6).
2. For window mounting, refer to Figure 5. Place the fixed support (3) (Figure 7) on the window frame, drill three holes in the window frame and mount the support securely with three screws.
3. Place the sliding bracket (2) so that its slots (4) fit into the matching studs (6) in the fixed support (3). Secure sliding bracket with wing nuts (5) (Figure 7). Suspend the outdoor unit on the sliding bracket.
4. Slide the unit to the most suitable place (minimum 100 mm from wall) and tighten the two wing nuts (5) (Figure 7).

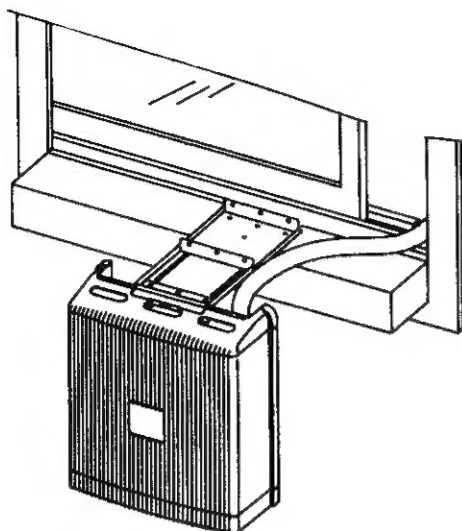


Figure 5. Suspending outdoor unit from window sill

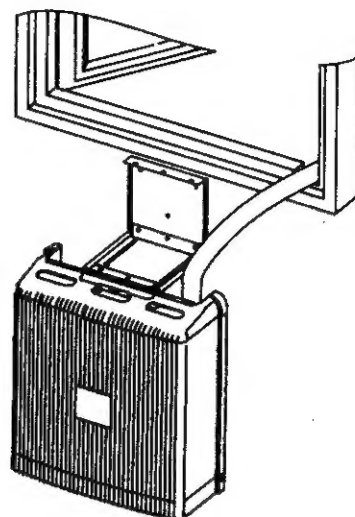


Figure 6. Suspending outdoor unit from wall

- 2. Sliding bracket
- 3. Fixed support
- 4. Slots
- 5. Wings nuts
- 6. Studs
- 7. Securing bracket

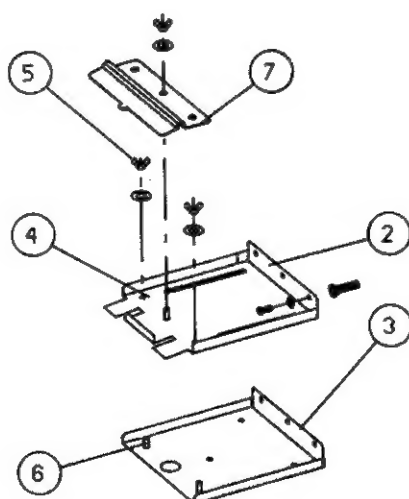


Figure 7. Outdoor unit supporting kit

5. Place the securing bracket (7) (Figure 7) in place and tighten it. Verify that the unit is well supported, stable and secured.
6. For wall mounting, refer to Figure 6. Place fixed bracket (3) against wall, drill three holes in the wall and fasten with three screws; verify that the support is level.
7. Engage the sliding bracket with the two holes over the two studs and tighten the wing nuts (5). Install the securing bracket (7). Verify that the unit is well supported and stable.
8. Prepare a slot in the lower part of door or window frame for the interconnecting hose location (see Figures 8, 9, 10, 11).

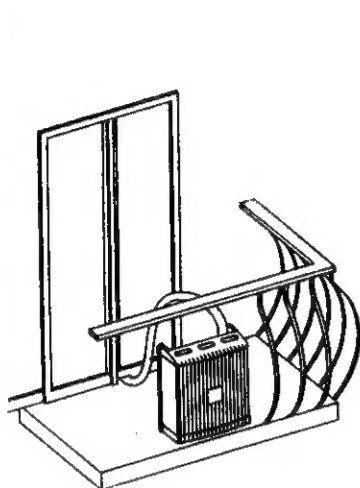


Figure 8

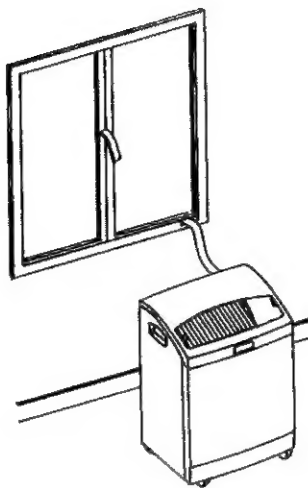


Figure 9

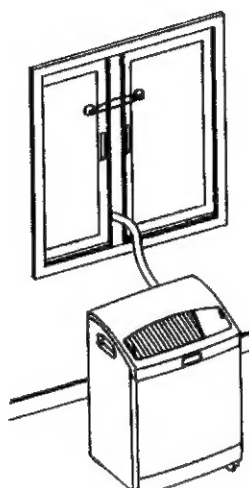


Figure 10

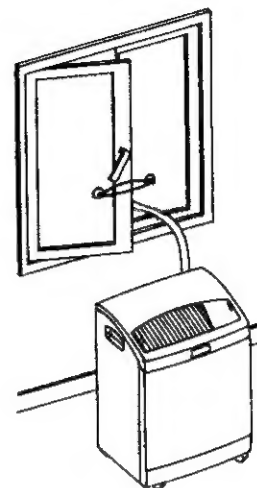


Figure 11

Pass the interconnecting hose which contains the refrigerant tubing, cable and drain tube through a window or door opening. Be sure not to subject the interconnecting hose to any over-stress, avoid sharp bends or forced twisting. Before operation, close the window or door; use the suction pads if needed.

NOTE: If the air conditioner is to be used periodically in alternate rooms, it is recommended to cover the opening in the door or window. Additional mounting kits are available from your local dealer.

When transporting the unit, make sure to keep it in vertical position (discharge grille on top). Also, when removing outdoor unit, empty the water accumulated at the bottom by tilting to one side.

ELECTRICAL CONNECTION

Before plugging in, please check that:

1. Socket and mains correspond to data given in specifications.
2. Plug fits the socket; if not, change socket.
3. Socket is properly grounded. The manufacturer is not responsible for any damage incurred due to failure of following normal safety procedures.

□ OPERATION

In order to obtain maximum comfort and economy, please make sure that:

- Doors and windows of room to be conditioned are closed.
- Air outlet and inlet openings on the unit are free of any obstruction.
- Shade the room from direct sun rays and avoid excessive heat sources in the room.

ON-UNIT CONTROL AND DISPLAY PANEL

- A – SELECTOR SWITCH KNOB**
- B – TEMPERATURE CONTROL KNOB**
- C – TIMER (OPTIONAL)**
- D – TIMER SWITCH (OPTIONAL)**
- E – INDICATORS PANEL**

Selector switch positions

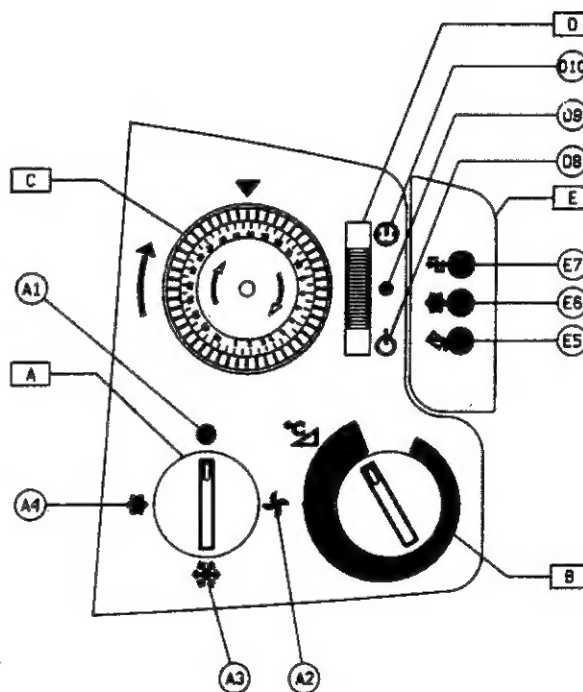
- A1. Off
- A2. Fan only
- A3. Cooling - high
- A4. Cooling - low

Timer switch (optional)

- D8. Timer off (continuous run)
- D9. Air conditioner off
- D10. Timer on (timed operation)

Indicators

- E5. Overflow warning indicator - red
- E6. Cooling indicator - green
- E7. Power ON indicator - green



OPERATING PROCEDURE

When the unit is connected to a power supply, indicator (E7) lights up. This signifies that the unit is ready for operation.

TURNING ON THE POWER

Plug in the unit to the power supply. Indicator (E7) will light up.

Turning on the air conditioner

Turn the selector switch knob (A) from OFF (A1) to any desired position.



Fan only operation (ventilating)

Turn the selector switch knob (A) to position A2.

Cooling operation

Turn the selector switch knob (A) to one of the following positions:



- High cooling (A3)
- Low cooling (A4)

When the cooling mode is activated, indicator E6 will light up. It is recommended to use the high-cooling mode (A3) when fast drop in temperature is required, while the low cooling mode (A4) - for normal quiet operation, to maintain the selected temperature.



Selecting the temperature

The desired temperature is selected by turning the temperature control knob (B).

If the temperature is higher than desired, turn knob B clockwise to a new position.

If the temperature is lower than desired, turn knob B counterclockwise to a new position.



Turning off the air conditioner

Turn selector switch A to OFF position (A1). The power indicator E7 will remain on.

WARNING:

Wait 5 minutes before restarting the cooling modes, or before changing the temperature setting.

Timer (Optional)

To operate the timer, make sure that the unit is plugged-in and the power indicator (E7) is lit.

When the timer switch (D) is in D8 position, the timer cannot be operated and the unit is operated directly by the selector switch (A).

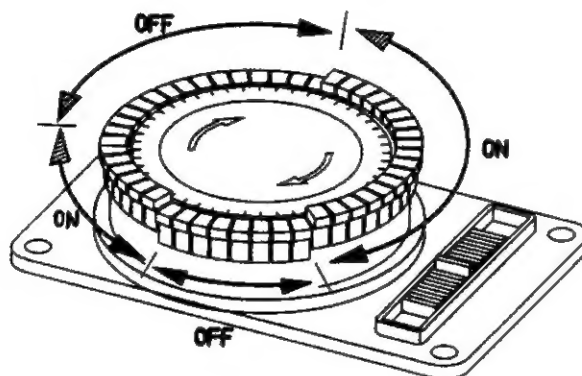
When the timer switch (D) is in D9 position, the air conditioner will be turned OFF; in this position it cannot be turned on neither by switch A nor by the timer.

When the timer switch (D) is in D10 position, the unit will be turned ON and OFF by the timer.

The timer used in this air-conditioner is a "real time" type and must be preset before use. To do that, turn the timer wheel clockwise until the number indicating the time of day matches the timer arrow.

The timer rim consists of 48 switching pins (30 minutes time interval per pin). When all the pins are pushed down, the unit will not operate. Pulling the pins up will cause the timer to turn on the unit at the time indicated by the pins.

Example: Timer setting



Operation of the unit will be at the mode selected by the selector-switch (A).

☐ PRECAUTIONS

- This air conditioner has been manufactured for domestic environments and should not be used for any other purpose.
- Do not obstruct the air discharge and inlet of the air conditioner
- If repair is needed, contact only the nearest authorized service center; do not consider unauthorized service.
- This air conditioner is to be used by adults only. Do not allow children to play with it.
- Always ground the unit.
- Make sure the unit is installed in a levelled position.
- Before cleaning or performing any maintenance operations, always disconnect the electric power supply plug from the socket.
- Do not place any strain on the power cord when moving the unit.
- The air conditioner should not be installed at a place having any combustible gases, oil or sulphur in the atmosphere, or near any possible sources of heat.
- Do not place hot or heavy objects on the air conditioner.
- Clean air filter periodically.
- The air conditioner should be transported in an upright position.
- After transporting, wait at least one hour before turning the unit on.
- Move the unit with caution over carpets and rugs.
- In case of damage to the power cord, it should be replaced or repaired only by an authorized technician.
- This unit conforms to EEC Directive of Electromagnetic compatibility (89/336/EEC)

☐ CARE AND MAINTENANCE

Before performing any maintenance procedure, make sure to disconnect the air conditioner from the power supply.

CLEANING THE AIR FILTER (See Figure 2)

The filter is located at the back of the indoor unit. Slide the filter up, pulling on the filter handle (12). Rinse the filter with tap water, dry it and re-install it in place. Clean at least once during the season, or as necessary.

DO NOT OPERATE THE UNIT WITHOUT FILTERS!

CLEANING OUTDOOR UNIT CONDENSATE BASIN (see Figure 12)

Remove the water basin (2) by unscrewing the four screws (3) on each side of the basin. Clean the basin with water, dry and reinstall.

CLEANING THE AIR CONDITIONER

- Wipe the unit with a soft dry cloth or clean it using a vacuum cleaner.
- Do not use hot water or volatile materials which could damage the surface of the air conditioner.

AT THE BEGINNING OF THE SEASON

- Make sure there are no obstacles blocking the flow of inlet or outlet air.
- Make sure the power supply is properly connected.

□ MOVING AND STORING

Before carrying or storing, tilt the outdoor unit to empty it from any remaining condensate water.

The indoor and outdoor units should be joined together (Figure 13) when moving or storing the air conditioner. To join the units, insert pins (8) of the outdoor unit into the keyholes (16) of the indoor unit (see Figure 1 and Figure 2).

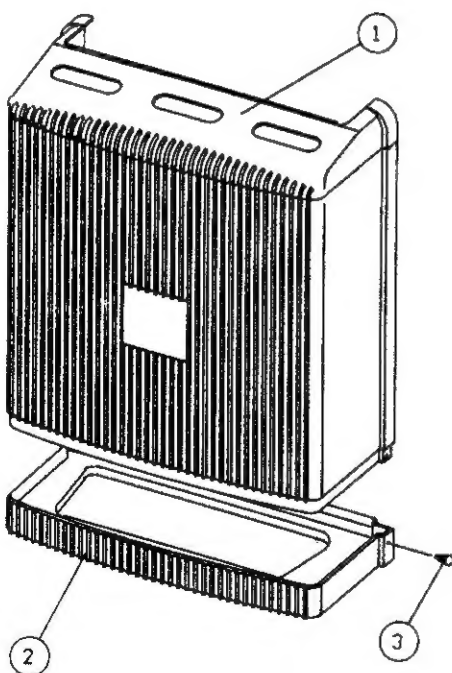


Figure 12. Removal of Condensate Basin

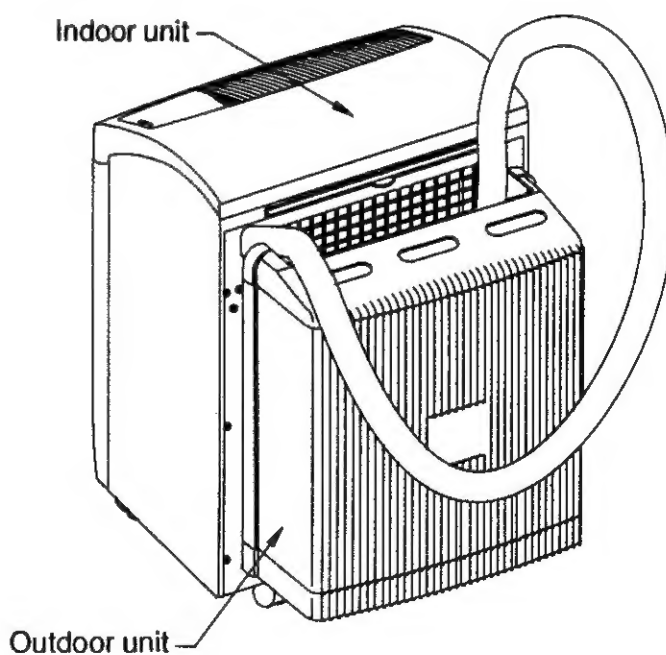


Figure 13. Units Joined for Moving and Storing

☐ BEFORE CALLING FOR SERVICE

Before calling for service, please check the following common malfunctions and correct as needed.

PROBLEM	CAUSE	SOLUTION
<ul style="list-style-type: none">- Unit does not operate.	<ul style="list-style-type: none">- Power failure- plug is disconnected- Timer switch in OFF position (D9)	<ul style="list-style-type: none">- Check main fuse- Insert plug- Set Timer switch to(D8)
<ul style="list-style-type: none">- Unit operates for only brief periods in cooling.	<ul style="list-style-type: none">- improper thermostat setting	<ul style="list-style-type: none">- Decrease thermostat setting
<ul style="list-style-type: none">- Unit functions but does not perform efficiently	<ul style="list-style-type: none">- Window open- Source of heat in room- Unit capacity insufficient for load or room size.- Improper temperature- Air filter blocked- Loss of refrigerant	<ul style="list-style-type: none">- Close window.- Remove source of heat.- Consult your dealer.- Reset temp. setting.- Clean filter.- Call service center.
<ul style="list-style-type: none">- Overflow warning indicator lights up.	<ul style="list-style-type: none">- Condensate pan full of water.	<ul style="list-style-type: none">- Drain the water through the drain tube.
<ul style="list-style-type: none">- Noise from the outdoor unit	<ul style="list-style-type: none">- The outdoor condensate pump is operating without water.	<ul style="list-style-type: none">- Regular operation of the air conditioner.